

## **ABSTRACT OF THE DISCLOSURE**

In producing data processor emulation information, program counter values used by a data processor are provided in a program counter trace stream, and a synchronization marker is inserted into the program counter trace stream. Trace information indicative of  
5 a data processing operation performed by the data processor is also provided, and a program counter value that corresponds to the data processing operation is identified. In this identification, the corresponding program counter value is expressed as an offset which indicates a number of program counter values in the program counter trace stream by which the corresponding program counter value is offset from the synchronization  
10 marker in the program counter trace stream.

TI-30481-Sub 1A - 10 -